

IN THE SPECIFICATION:

Please amend the specification on Pg. 22, lns. 8 – 25, such that it now reads:

The optical head 103 has an optical detector (not illustrated) embedded therein, the optical detector being divided into two to align in the radial direction. The optical head 103 outputs a differential signal from the optical detector as a push-pull signal (PP signal). It is supposed here that the PP signal is detected from one beam. A tracking error signal (TE signal) is obtained as a low-pass filter LPF 104 removes the wobble signal component from the PP signal. To detect the wobble signal amplitude, first, a wobble signal is obtained by allowing the PP signal to pass through a band-pass filter BPF 105 of a wobble signal band, and then allowing the wobble signal to pass through a detector 106 to obtain an amplitude component. The amplitude component obtained here includes the partial amplitude variation due to modulation of the address information as described earlier. As a result, to remove the partial amplitude variation, the amplitude component is further allowed to pass through a low-pass filter LPF 107 to obtain a WBA signal that indicates the wobble signal amplitude. A signal detection unit can comprise the optical head 101, the band-pass filter 105, the detector 106, the low-pass filter 107, and/or the low-pass filter 104.